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## ABSTRACT

This is a report of the findings of the  
 Minority/Majority Experiences Study conducted to secure baseline data  
 on educational equity in the Montgomery County, Maryland, public  
 schools. The report presents statistics on minority and majority  
 participation in remedial reading programs for low achievers offered  
 in the elementary grades, as well as in basic skills courses offered  
 in junior and senior high schools. Presented are data comparing  
 enrollment rates by race (black, Hispanic, Asian, and white) and sex.  
 (Author/APM)

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**MONTGOMERY COUNTY  
PUBLIC SCHOOLS**

**The Minority/Majority  
Experiences Study,  
1978-79;**

**Programs for Low-Achieving  
Students**

April, 1981



Rockville, Maryland

**EDWARD ANDREWS**  
Superintendent of Schools

Prepared by the Department of Educational Accountability

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The Minority/Majority Experiences Study, 1978-79:  
Programs for Low Achieving Students

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The assistance of principals of participating schools and area staffs are gratefully acknowledged.

THE MINORITY/MAJORITY EXPERIENCES STUDY, 1978-79:  
PROGRAMS FOR LOW-ACHIEVING STUDENTS

INTRODUCTION

This is one of a series of reports of findings of the Minority/Majority Experiences Study which was conducted in 1978-79. The purpose of this study was to secure baseline data on the status of the Montgomery County Public Schools as regards issues of educational equity. This report, the second in a series dealing with study findings, presents previously unavailable statistics on minority and majority participation in remedial reading programs for low achievers<sup>1</sup> offered in the elementary grades, as well as in basic skills courses offered in junior and senior high schools.

OVERVIEW

The study found:

- o In the sample schools remedial reading assistance was provided to 12 percent of the elementary students, 16 percent of the middle school students, 8 percent of the junior high school students, and 7 percent of the senior high school students.
- o At all school levels black students were more likely to be receiving remedial reading instruction than were white students. However, when participation rates were compared to one indicator of need, percentage of students scoring below the fourth stanine in reading comprehension on the Iowa Tests of Basic Skills, it appeared that many black students with reading problems remained unserved.
- o At all school levels the percentage of Hispanic students participating in remedial reading programs was only slightly greater than that of whites. However, in comparison to need, as assessed by test scores performance, Hispanics, too, appeared to be underserved.
- o At the lower grade levels, the participation rate of Asians was also substantially higher than that of whites. However, there was a sharp decline in participation at the junior and senior high school levels. Participation rates generally exceeded need as measured by test scores. One possible explanation for this discrepancy is that substantial numbers of these students were excluded from testing due to language difficulty.
- o While the participation rates for males was consistently higher than that for females, this difference was generally small (two to three percentage points). The only substantial difference was for black senior high school students where the participation rate for males was almost twice that for females.

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<sup>1</sup>The term low achiever is intended to apply to students in regular classes who are considered to be in need of instruction additional to the regular program in order to make satisfactory progress in reading, mathematics, and/or other subject areas.

- o For all seven basic skills courses--English, Communications, Reading, Mathematics, Science, Social Studies, and On-the-Job Training--blacks and Hispanics were overrepresented relative to whites and Asians. In English, the participation rate of black students was almost four times that of whites.
- o In all seven basic skills courses, males outnumbered females by a substantial amount.

#### METHODOLOGY OF THE MINORITY/MAJORITY EXPERIENCES STUDY

Ninety-one schools--58 elementary, 4 middle, 15 junior high, and 14 senior high schools--were included in the study sample. These schools were selected from the 186 regular MCPS schools by a procedure of stratified random sampling designed to insure representation of administrative areas, minority enrollment, and achievement level (measured by median composite score on the Iowa Tests of Basic Skills and the Tests of Academic Progress). Exhibit 1 illustrates this sample for the elementary schools studied. Appendix A presents a statistical description of the distribution of all 91 schools into the 9 categories shown here for schools classified as elementary, middle/junior high, and senior high. Appendix A also presents the different categories used for defining levels of achievement and school minority percentage.

EXHIBIT 1  
Distribution of Elementary Schools Surveyed  
By Percentage of Minority Students and Achievement Level

| School<br>Minority<br>Percentage | School Achievement Level |        |      | Total |
|----------------------------------|--------------------------|--------|------|-------|
|                                  | Low                      | Middle | High |       |
| Low                              | 1                        | 8      | 9    | 18    |
| Middle                           | 3                        | 9      | 10   | 22    |
| High                             | 13                       | 5      | 0    | 18    |
| Total                            | 17                       | 22     | 19   | 58    |

All 91 schools participating in the Minority/Majority Experiences Study were asked to report the number of students who, in May, 1979, had received "pull-out" instruction in reading from the schools' reading specialists in addition to reading instruction provided in their regular classrooms.<sup>2</sup> Data on enrollments in basic skills course in all junior and senior high schools were obtained from central office records.

<sup>2</sup>Eighty-seven, or 97 percent of the 91 schools, provided data for students classified by sex and race: 57 of the 58 elementary schools, all four of the middle schools, all 15 of the junior high schools, and 11 of the 14 senior high schools.

Montgomery County Public Schools  
Rockville, Maryland

The Minority/Majority Experiences Study, 1978-79:  
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April, 1981

Edward Andrews  
Superintendent of Schools

## FINDINGS

### ENROLLMENTS IN REMEDIAL READING PROGRAMS AT THE ELEMENTARY SCHOOL LEVEL

During the 1978-79 school year, 2,500, or 12 percent, of the aggregate population of 20,957 whites, blacks, Hispanics, and Asians in the 57 participating elementary schools were receiving remedial assistance from a reading teacher.<sup>3</sup>

Exhibit 2 shows the racial breakdown of students receiving remedial reading assistance at the elementary level in the sample of schools used in this study.<sup>4</sup> The exhibit also shows the percentage of students in the sample schools scoring below the 4th stanine in reading comprehension at the third and fifth grades in the 1978-79 school year.

EXHIBIT 2  
Participation of Students in Remedial Reading Programs  
By Race: Elementary Schools (N=57)

| Race     | Percentage and Number of<br>Each Racial Group<br>Participating in Remedial<br>Reading Programs |       | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension by Grade |     |
|----------|------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------|-----|
|          | %                                                                                              | N     | 3rd                                                                                             | 5th |
| White    | 11                                                                                             | 1,761 | 10                                                                                              | 9   |
| Black    | 21                                                                                             | 480   | 31                                                                                              | 34  |
| Hispanic | 8                                                                                              | 92    | 13                                                                                              | 15  |
| Asian    | 21                                                                                             | 167   | 12                                                                                              | 5   |

The exhibit shows that at the elementary level blacks and Asians are twice as likely as whites to receive pullout remedial reading assistance. At first glance this seems to suggest that these groups are overrepresented in the remedial population. However, when participation rates are compared to one indicator of need for remediation (scores on the reading comprehension subtest of the Iowa Test of Basic Skills), a different picture emerges. The percentage of white students served comes very close to that of the students scoring below the 4th stanine. Approximately 10 percent score low; 11 percent are served. The percentage of black and Hispanic students served falls short, however, of the percentage performing poorly on the test. The difference for blacks is approximately 10 percent; for Hispanics this difference is 5 to 10 percent. In contrast, Asians appear to be overrepresented relative to their needs as measured by test score performance.

<sup>3</sup>The reading programs discussed within this section of the report are characterized by two important elements: (1) the reading assistance is provided by a reading teacher, and (2) the reading assistance is provided in a pull-out setting.

<sup>4</sup>For more detailed data on students receiving remedial reading assistance by grade level, see Appendix B.

It is not clear why, given possible similarities in language problems, Hispanic students appear underserved and Asians overserved. One would expect both groups to be receiving extra support services in language related areas. Further, for both groups, test scores might be expected to underestimate need because students with language problems are frequently excused from systemwide testing. The fact that different patterns are found cannot at this point be explained.

Turning now to the finding that blacks and Hispanics appear underserved relative to need, two possible interpretations can be offered. On the one hand, the percentages of black and Hispanic students being served may be lower than the percentage of those scoring below the 4th stanine because criteria other than standardized test scores play an important role in assigning students from these groups to remedial programs. On the other hand, it may be that resources are not sufficient to meet the needs of all students and that students from these groups are underserved.

Exhibit 3 presents data on participation rates by race and sex.

EXHIBIT 3  
Participation in Remedial Reading Program by Race and Sex:  
Elementary Schools (N=57)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |       | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |     |
|----------|------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------|-----|
|          | %                                                                      | N     | 3rd                                                                                    | 5th |
| White    |                                                                        |       |                                                                                        |     |
| Male     | 22                                                                     | 1,000 | 11                                                                                     | 10  |
| Female   | 9                                                                      | 761   | 8                                                                                      | 8   |
| Black    |                                                                        |       |                                                                                        |     |
| Male     | 23                                                                     | 267   | 31                                                                                     | 36  |
| Female   | 19                                                                     | 213   | 30                                                                                     | 33  |
| Hispanic |                                                                        |       |                                                                                        |     |
| Male     | 10                                                                     | 58    | 15                                                                                     | 16  |
| Female   | 7                                                                      | 34    | 11                                                                                     | 13  |
| Asian    |                                                                        |       |                                                                                        |     |
| Male     | 21                                                                     | 92    | 10                                                                                     | 2   |
| Female   | 21                                                                     | 75    | 14                                                                                     | 8   |

Generally, males tend to have higher participation rates in remedial reading programs than do females. However, the difference is not great for any of the groups, and the stereotype of males being the problem readers is not strongly upheld.

When participation rates by sex are compared to scores on the ITBS, a similar picture to that discussed earlier emerges; there is no difference between males and females in the apparent match between the need and participation status.

ENROLLMENTS IN READING PROGRAMS AT  
THE MIDDLE SCHOOL LEVEL

During the 1978-79 school year, 373, 16 percent, of the aggregate population of 2,402 whites, blacks, Hispanics, and Asians in the four participating middle schools were receiving remedial assistance from a reading specialist.

Exhibit 4 shows the racial breakdown of middle school students receiving remedial reading instruction.

EXHIBIT 4  
Participation of Students in Remedial Reading Programs  
By Race: Middle Schools (N=4)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|
|          | %                                                                      | N   | 7th                                                                                    |
| White    | 12                                                                     | 240 | 11                                                                                     |
| Black    | 26                                                                     | 67  | 42                                                                                     |
| Hispanic | 24                                                                     | 25  | 25                                                                                     |
| Asian    | 72                                                                     | 41  | 11                                                                                     |

Exhibit 5 shows the breakdown by race and sex of participating students.

EXHIBIT 5  
Participation of Students in Remedial Reading Programs  
By Race and Sex: Middle Schools (N=4)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|
|          | %                                                                      | N   | 7th                                                                                    |
| White    |                                                                        |     |                                                                                        |
| Male     | 15                                                                     | 152 | 13                                                                                     |
| Female   | 9                                                                      | 88  | 9                                                                                      |
| Black    |                                                                        |     |                                                                                        |
| Male     | 28                                                                     | 37  | 47                                                                                     |
| Female   | 25                                                                     | 30  | 37                                                                                     |
| Hispanic |                                                                        |     |                                                                                        |
| Male     | 35                                                                     | 18  | 26                                                                                     |
| Female   | 13                                                                     | 7   | 24                                                                                     |
| Asian    |                                                                        |     |                                                                                        |
| Male     | 97                                                                     | 32  | 11                                                                                     |
| Female   | 38                                                                     | 9   | 11                                                                                     |

Drawing generalizations from these data is somewhat difficult because of the small numbers of schools involved. The data are presented for completeness and should be examined in light of patterns observed at the other school levels. The largest anomaly occurs with the Asian students who have much higher participation rates in these schools than the others in the sample.

# ENROLLMENTS IN REMEDIAL READING PROGRAMS AT THE JUNIOR HIGH SCHOOL LEVEL

During the 1978-79 school year, 909, 8 percent, of the aggregate population of 11,698 whites, blacks, Hispanics, and Asians in the 15 participating junior high schools were receiving remedial assistance from a reading specialist.

Exhibit 6 shows the racial breakdown of students receiving remedial assistance at the junior high school level. The exhibit also shows the percentage of students scoring below the 4th stanine in reading comprehension and the percentage of students failing the Maryland Functional Reading Test in the sample schools in the 1978-79 school year.

EXHIBIT 6  
Participation of Students in Remedial Reading Programs  
By Race: Junior High Schools (N=15)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |     | Percentage of Students<br>Failing the<br>Maryland Functional<br>Reading Test |     |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------|-----|
|          | %                                                                      | N   | 7th                                                                                    | 9th | 7th                                                                          | 9th |
| White    | 7                                                                      | 640 | 11                                                                                     | 11  | 7                                                                            | 6   |
| Black    | 19                                                                     | 188 | 32                                                                                     | 49  | 28                                                                           | 21  |
| Hispanic | 9                                                                      | 48  | 25                                                                                     | 29  | 18                                                                           | 18  |
| Asian    | 9                                                                      | 33  | 11                                                                                     | 15  | 9                                                                            | 9   |

The exhibit shows that blacks are more likely to receive remedial reading services than are white students. It should be noted that Asians and Hispanics are also more likely to participate in remedial reading than are whites; however, in comparison to the degree of black participation, their participation is only slightly more than that of white in the sample.

The exhibit also shows that for all groups less service is provided than would be predicted by scores on the Iowa Test of Basic Skills, with the gaps being greatest for blacks and Hispanics. In addition far fewer students are served than would be predicted by failure rates on the Maryland Functional Reading Test. One possible explanation for this discrepancy is the fact that in addition to remedial reading instruction junior high schools also offer basic skills courses. If students were being assigned to these, rather than to remedial instruction, the degree of apparent mismatch might be reduced. On the other hand, if this explanation is valid, the question must be raised as to the rationale used for the differential placements and why certain racial groups are more affected than others.

Exhibit 7 presents participation rates of the junior high level by race and sex.

Analysis of the data by sex shows a pattern similar to that noted earlier. For all groups, males are more likely to participate in remedial programs than females. The difference, however, is relatively small. The pattern presented by performance on the Iowa Test of Basic Skills is, however, different for the minority vs. majority groups at the ninth grade. For the minority groups, there is a tendency for females to do more poorly than males. This difference is not reflected in the participation data.

EXHIBIT 7  
Participation of Students in Remedial Reading Programs  
By Race and Sex: Junior High Schools (N=15)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |     |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|-----|
|          | %                                                                      | N   | 7th                                                                                    | 9th |
| White    |                                                                        |     |                                                                                        |     |
| Male     | 7                                                                      | 344 | 13                                                                                     | 12  |
| Female   | 6                                                                      | 296 | 9                                                                                      | 11  |
| Black    |                                                                        |     |                                                                                        |     |
| Male     | 22                                                                     | 107 | 47                                                                                     | 47  |
| Female   | 17                                                                     | 81  | 37                                                                                     | 51  |
| Hispanic |                                                                        |     |                                                                                        |     |
| Male     | 10                                                                     | 27  | 26                                                                                     | 23  |
| Female   | 9                                                                      | 21  | 24                                                                                     | 36  |
| Asian    |                                                                        |     |                                                                                        |     |
| Male     | 10                                                                     | 21  | 11                                                                                     | 11  |
| Female   | 7                                                                      | 12  | 11                                                                                     | 20  |

#### ENROLLMENTS IN REMEDIAL READING PROGRAMS AT THE SENIOR HIGH LEVEL

During the 1978-79 school year, 1,114, 7 percent, of the aggregate population of 17,961 whites, blacks, Hispanics, and Asians in the 11 participating senior high schools were receiving remedial assistance from a reading specialist.

Exhibit 8 shows the racial breakdown of students receiving remedial reading assistance at the senior high level. The exhibit also shows the percentage of students in the sample schools scoring below the 4th stanine in reading comprehension at the 11th grade in 1978-79. Scores on the Maryland Functional Reading Test are not available for this group for the 1978-79 time period.

EXHIBIT 8  
Participation of Students in Remedial Reading Programs  
By Race: Senior High Schools (N=11)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|
|          | %                                                                      | N   | 11th                                                                                   |
| White    | 5                                                                      | 746 | 13                                                                                     |
| Black    | 18                                                                     | 293 | 15                                                                                     |
| Hispanic | 7                                                                      | 39  | 28                                                                                     |
| Asian    | 7                                                                      | 36  | 16                                                                                     |

The exhibit shows that blacks are over enrolled relative to both whites and other minority groups. Surprisingly, however, it is only blacks who appear to be adequately served in terms of need as measured by standardized test performance, with the gap being greatest for Hispanics. As mentioned in the previous discussion, it is possible that apparent discrepancies between need and service delivery can be explained at least in part by participation in basic skills courses. Again, however, the fact that the patterns differ by racial groups is hard to resolve.

Males continue to outnumber females as participants in remedial programs. The only group for whom this difference is substantial, however, is blacks.

Exhibit 9 shows the breakdown of participating by race and sex.

EXHIBIT 9  
Participation of Students in Remedial Reading Programs  
By Race and Sex: Senior High Schools (N=11)

| Race     | Percentage and Number<br>Participating in Remedial<br>Reading Programs |     | Percentage of Students<br>Scoring Below the 4th<br>Stanine in Reading<br>Comprehension |
|----------|------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|
|          | %                                                                      | N   | 11th                                                                                   |
| White    |                                                                        |     |                                                                                        |
| Male     | 6                                                                      | 447 | 15                                                                                     |
| Female   | 4                                                                      | 299 | 12                                                                                     |
| Black    |                                                                        |     |                                                                                        |
| Male     | 22                                                                     | 180 | 18                                                                                     |
| Female   | 13                                                                     | 113 | 13                                                                                     |
| Hispanic |                                                                        |     |                                                                                        |
| Male     | 4                                                                      | 24  | 29                                                                                     |
| Female   | 3                                                                      | 15  | 27                                                                                     |
| Asian    |                                                                        |     |                                                                                        |
| Male     | 3                                                                      | 21  | 17                                                                                     |
| Female   | 15                                                                     | 16  | 3                                                                                      |

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# ENROLLMENTS IN BASIC SKILLS COURSES IN JUNIOR AND SENIOR HIGH SCHOOLS

The study examined the characteristics of students participating in basic skills courses offered in seven subject areas; English, Communications, Reading, Mathematics, Science, Social Studies, and On-the-Job Training.<sup>5</sup>

Overall analysis of course participation by race indicates that in all seven courses blacks and Hispanics were overrepresented relative to whites and Asians (see Exhibit 10). The discrepancies were great in nearly all of the courses with the exception of Communications and On-the-Job Training for Hispanics. The highest participation rate for blacks was reported for English. For English, black participation was almost four times that of whites. For Hispanics, the largest participation rates were found in Social Studies and English. For more detailed data on enrollments by race, see Appendix C.<sup>6</sup>

## EXHIBIT 10

Summary of Student Participation in 1978-79 in Basic Skills Courses  
in the Seven Major Subject Areas in Junior and Senior High Schools  
Participating in the Minority/Majority Experiences Study

| Subject of<br>Basic Skills<br>Course | Combined Enrollments<br>in the Course in<br>Schools Offering It | Percentage of Each Racial Group Enrolled |       |          |       |       |
|--------------------------------------|-----------------------------------------------------------------|------------------------------------------|-------|----------|-------|-------|
|                                      |                                                                 | White                                    | Black | Hispanic | Asian | Total |
| English                              | 2,683                                                           | 10.8                                     | 37.4  | 15.1     | 9.8   | 12.8  |
| Communications                       | 77                                                              | 2.2                                      | 4.8   | 1.9      | 0.9   | 2.6   |
| Reading                              | 595                                                             | 5.0                                      | 13.8  | 11.5     | 5.5   | 6.6   |
| Mathematics                          | 1,798                                                           | 8.6                                      | 21.2  | 12.8     | 4.2   | 9.7   |
| Science                              | 1,451                                                           | 6.6                                      | 15.7  | 11.2     | 7.3   | 7.7   |
| Social Studies                       | 1,890                                                           | 9.6                                      | 26.1  | 15.4     | 12.7  | 11.6  |
| On-the-Job Training                  | 155                                                             | 3.9                                      | 8.4   | 1.0      | 0.9   | 4.1   |

Analysis of course participation by sex indicates that in all seven course areas males are more likely to be enrolled in a basic skills course than are females (see Exhibit 11). For example, males are nearly twice as likely to be enrolled in English and Reading courses than are females. The only consistent departure from this pattern is for Asians where the percentage of males and females are nearer to being equal. Tables 1C, 2C, 3C, 4C, 5C, 6C, and 7C in Appendix C provide more detailed data on enrollments by sex.

<sup>5</sup>It should be pointed out that while officially MCPS identifies some courses as "basic," in many instances it does not. In the later case, schools participating in the study were asked to identify which regularly offered courses were specified as sections for low achieving students.

<sup>6</sup>Comparisons cannot validly be made between the data presented in this section and those presented with regard to remedial reading instruction because this data on basic skills course was collected for all schools by grade level (not just sample schools) and cannot be allocated to the middle, junior, or senior high school levels.

EXHIBIT 11  
Participation of Students in Basic Skills  
Course by Race and Sex

| Course              | White | Black | Asian | Hispanic | Total |
|---------------------|-------|-------|-------|----------|-------|
| English             |       |       |       |          |       |
| Male                | 14.1  | 42.9  | 17.5  | 18.5     | 16.2  |
| Female              | 7.5   | 32.0  | 9.1   | 11.6     | 9.5   |
| Communications      |       |       |       |          |       |
| Male                | 3.0   | 6.6   | 1.2   | 1.3      | 3.5   |
| Female              | 1.3   | 3.3   | 0.7   | 2.6      | 1.8   |
| Reading             |       |       |       |          |       |
| Male                | 6.8   | 19.4  | 5.5   | 14.7     | 8.9   |
| Female              | 3.0   | 8.7   | 5.5   | 5.1      | 4.3   |
| Mathematics         |       |       |       |          |       |
| Male                | 9.5   | 25.2  | 3.5   | 11.5     | 10.8  |
| Female              | 7.7   | 17.3  | 4.9   | 14.3     | 8.7   |
| Science             |       |       |       |          |       |
| Male                | 7.9   | 18.4  | 8.0   | 15.0     | 9.3   |
| Female              | 5.2   | 13.0  | 6.7   | 7.4      | 6.2   |
| Social Studies      |       |       |       |          |       |
| Male                | 12.0  | 38.9  | 13.0  | 18.2     | 14.2  |
| Female              | 7.1   | 21.6  | 12.5  | 12.8     | 9.0   |
| On-the-Job-Training |       |       |       |          |       |
| Male                | 4.4   | 7.9   | 1.9   | 0.0      | 4.5   |
| Female              | 3.5   | 9.0   | 0.0   | 2.1      | 3.7   |

APPENDICES

# APPENDIX A

Schema Showing Number of Schools Drawn for Participation  
In the Minority/Majority Experiences Study, for School  
Classified by Percentage of Minority and by Achievement Level

## A. Elementary Schools

| Percentage<br>Minority<br>in School | School Median Score on ITBS Composite in Grade 5 |                          |                              | Total |
|-------------------------------------|--------------------------------------------------|--------------------------|------------------------------|-------|
|                                     | Low<br>(Scores 34-64)                            | Middle<br>(Scores 67-78) | High<br>(Score 80 and above) |       |
| Low<br>(2-14)                       | 1                                                | 8                        | 9                            | 18    |
| Middle<br>(15-27)                   | 3                                                | 9                        | 10                           | 22    |
| High<br>(28 & over)                 | 13                                               | 5                        | 0                            | 18    |
| Total                               | 17                                               | 22                       | 19                           | 58    |

## B. Middle/Junior High Schools

| Percentage<br>Minority<br>in School | School Median Score on ITBS Composite in Grades 7 and 9 |                          |                              | Total |
|-------------------------------------|---------------------------------------------------------|--------------------------|------------------------------|-------|
|                                     | Low<br>(Scores 45-56)                                   | Middle<br>(Scores 58-70) | High<br>(Score 72 and above) |       |
| Low<br>(6-12)                       | 0                                                       | 1                        | 4                            | 5     |
| Middle<br>(13-19)                   | 3                                                       | 2                        | 3                            | 8     |
| High<br>(23 & over)                 | 3                                                       | 3                        | 0                            | 6     |
| Total                               | 6                                                       | 6                        | 7                            | 19    |

## C. Senior High Schools

| Percentage<br>Minority<br>in School | School Mean Standard Score on Grade 11 TAP |                          |                              | Total |
|-------------------------------------|--------------------------------------------|--------------------------|------------------------------|-------|
|                                     | Low<br>(Scores 36-51)                      | Middle<br>(Scores 55-63) | High<br>(Score 71 and above) |       |
| Low<br>(5-11)                       | 0                                          | 0                        | 5                            | 5     |
| Middle<br>(14-18)                   | 2                                          | 2                        | 0                            | 4     |
| High<br>(23 & over)                 | 3                                          | 2                        | 0                            | 5     |
| Total                               | 5                                          | 4                        | 5                            | 14    |

APPENDIX B

Tables Displaying Detailed Data  
On 1978-79 Enrollments in Remedial  
Reading Program

TABLE 1 B  
Enrollment of Elementary Schools in Remedial Reading Programs  
Of Students Classified by Sex and Race  
(N = 57 Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |        |       |       |          |       |                                                             |       |       |       |          |       |       |
|------------------------------------------------------------------------------|--------|-------|-------|----------|-------|-------------------------------------------------------------|-------|-------|-------|----------|-------|-------|
| Number of Students Receiving Remedial Assistance                             |        |       |       |          |       | Percentage of Students Receiving Assistance by Sex and Race |       |       |       |          |       |       |
| Grade                                                                        | Sex    | White | Black | Hispanic | Asian | Total                                                       | Grade | White | Black | Hispanic | Asian | Total |
| K                                                                            | Male   | 40    | 4     | 1        | 3     | 48                                                          | K     | 83.3  | 8.3   | 2.1      | 6.3   | 100.0 |
|                                                                              | Female | 40    | 3     | 1        | 2     | 46                                                          |       | 87.0  | 6.5   | 2.7      | 4.3   | 100.0 |
|                                                                              | Total  | 80    | 7     | 2        | 5     | 94                                                          |       | 85.1  | 7.4   | 2.1      | 5.3   | 100.0 |
| 1                                                                            |        | 95    | 10    | 7        | 13    | 125                                                         | 1     | 76.0  | 8.0   | 5.6      | 10.4  | 100.0 |
|                                                                              |        | 63    | 7     | 4        | 10    | 84                                                          |       | 75.0  | 8.3   | 4.8      | 11.9  | 100.0 |
|                                                                              |        | 158   | 17    | 11       | 23    | 209                                                         |       | 75.6  | 8.1   | 5.3      | 11.0  | 100.0 |
| 2                                                                            |        | 174   | 36    | 10       | 17    | 237                                                         | 2     | 73.4  | 15.2  | 4.2      | 7.2   | 100.0 |
|                                                                              |        | 96    | 24    | 4        | 12    | 136                                                         |       | 70.6  | 17.6  | 2.9      | 8.8   | 100.0 |
|                                                                              |        | 270   | 60    | 14       | 29    | 373                                                         |       | 72.4  | 16.1  | 3.8      | 7.8   | 100.0 |
| 3                                                                            |        | 201   | 48    | 12       | 12    | 273                                                         | 3     | 73.6  | 17.6  | 4.4      | 4.4   | 100.0 |
|                                                                              |        | 158   | 44    | 8        | 15    | 225                                                         |       | 70.2  | 19.6  | 3.6      | 6.7   | 100.0 |
|                                                                              |        | 359   | 92    | 20       | 27    | 498                                                         |       | 72.1  | 18.5  | 4.0      | 5.4   | 100.0 |
| 4                                                                            |        | 193   | 55    | 12       | 18    | 278                                                         | 4     | 69.4  | 19.8  | 4.3      | 6.5   | 100.0 |
|                                                                              |        | 145   | 57    | 5        | 12    | 219                                                         |       | 66.2  | 26.0  | 2.3      | 5.5   | 100.0 |
|                                                                              |        | 338   | 112   | 17       | 30    | 497                                                         |       | 68.0  | 22.5  | 3.4      | 6.0   | 100.0 |
| 5                                                                            |        | 163   | 50    | 7        | 18    | 238                                                         | 5     | 68.5  | 21.0  | 2.9      | 7.6   | 100.0 |
|                                                                              |        | 163   | 40    | 7        | 6     | 216                                                         |       | 75.5  | 18.5  | 3.2      | 2.8   | 100.0 |
|                                                                              |        | 326   | 90    | 14       | 24    | 454                                                         |       | 71.8  | 19.8  | 3.1      | 5.3   | 100.0 |
| 6                                                                            |        | 134   | 64    | 9        | 11    | 218                                                         | 6     | 61.5  | 29.4  | 4.1      | 5.0   | 100.0 |
|                                                                              |        | 96    | 38    | 5        | 18    | 157                                                         |       | 61.1  | 24.0  | 3.2      | 11.5  | 100.0 |
|                                                                              |        | 230   | 102   | 14       | 29    | 375                                                         |       | 61.3  | 27.2  | 3.7      | 7.7   | 100.0 |
| All Grades Combined                                                          |        | 1000  | 267   | 58       | 92    | 1417                                                        |       | 70.6  | 18.8  | 4.1      | 6.5   | 100.0 |
|                                                                              |        | 761   | 213   | 34       | 75    | 1083                                                        |       | 70.3  | 19.7  | 3.1      | 6.9   | 100.0 |
|                                                                              |        | 1761  | 480   | 92       | 167   | 2500                                                        |       | 70.4  | 19.2  | 3.7      | 6.7   | 100.0 |

| B. Total Population in Grades, by Sex and Race,<br>In Surveyed Schools |        |       |      |      |     | Percentage of Population of Each Sex and Race Who<br>Were Enrolled in the Course |   |      |      |     |     |       |
|------------------------------------------------------------------------|--------|-------|------|------|-----|----------------------------------------------------------------------------------|---|------|------|-----|-----|-------|
| K                                                                      | Male   | 914   | 127  | 79   | 46  | 1166                                                                             | K | 78.4 | 10.9 | 6.8 | 3.9 | 100.0 |
|                                                                        | Female | 350   | 99   | 73   | 41  | 1063                                                                             |   | 80.0 | 9.3  | 6.8 | 3.9 | 100.0 |
|                                                                        | Total  | 1764  | 226  | 152  | 87  | 2229                                                                             |   | 79.1 | 10.1 | 6.8 | 3.9 | 100.0 |
| 1                                                                      |        | 1067  | 131  | 83   | 54  | 1335                                                                             | 1 | 79.9 | 9.8  | 6.2 | 4.0 | 100.0 |
|                                                                        |        | 968   | 120  | 75   | 49  | 1212                                                                             |   | 79.9 | 9.9  | 6.2 | 4.0 | 100.0 |
|                                                                        |        | 2035  | 251  | 158  | 103 | 2547                                                                             |   | 79.9 | 9.9  | 6.2 | 4.0 | 100.0 |
| 2                                                                      |        | 1209  | 116  | 86   | 74  | 1485                                                                             | 2 | 81.4 | 7.8  | 5.8 | 5.0 | 100.0 |
|                                                                        |        | 1077  | 140  | 43   | 43  | 1303                                                                             |   | 82.7 | 10.7 | 3.3 | 3.3 | 100.0 |
|                                                                        |        | 2286  | 256  | 129  | 117 | 2788                                                                             |   | 82.0 | 9.2  | 4.6 | 4.2 | 100.0 |
| 3                                                                      |        | 1299  | 184  | 99   | 68  | 1650                                                                             | 3 | 78.7 | 11.2 | 6.0 | 4.1 | 100.0 |
|                                                                        |        | 1322  | 149  | 86   | 64  | 1621                                                                             |   | 81.6 | 9.2  | 5.3 | 3.9 | 100.0 |
|                                                                        |        | 2621  | 333  | 185  | 132 | 3271                                                                             |   | 80.0 | 10.2 | 5.7 | 4.0 | 100.0 |
| 4                                                                      |        | 1394  | 203  | 83   | 74  | 1754                                                                             | 4 | 79.5 | 11.6 | 4.7 | 4.2 | 100.0 |
|                                                                        |        | 1465  | 195  | 74   | 48  | 1782                                                                             |   | 82.2 | 10.9 | 4.2 | 2.7 | 100.0 |
|                                                                        |        | 2857  | 398  | 157  | 122 | 3536                                                                             |   | 80.9 | 11.3 | 4.4 | 3.4 | 100.0 |
| 5                                                                      |        | 1336  | 196  | 75   | 67  | 1674                                                                             | 5 | 79.8 | 11.7 | 4.5 | 4.0 | 100.0 |
|                                                                        |        | 1392  | 213  | 69   | 44  | 1718                                                                             |   | 81.0 | 12.4 | 4.0 | 2.6 | 100.0 |
|                                                                        |        | 2728  | 409  | 144  | 111 | 3392                                                                             |   | 80.4 | 12.1 | 4.2 | 3.3 | 100.0 |
| 6                                                                      |        | 1232  | 190  | 82   | 62  | 1566                                                                             | 6 | 78.7 | 12.1 | 5.2 | 4.0 | 100.0 |
|                                                                        |        | 1301  | 182  | 85   | 60  | 1628                                                                             |   | 79.9 | 10.8 | 5.5 | 3.7 | 100.0 |
|                                                                        |        | 2533  | 372  | 167  | 122 | 3194                                                                             |   | 79.3 | 11.6 | 5.2 | 3.8 | 100.0 |
| All Grades<br>Combined                                                 |        | 9451  | 1147 | 587  | 445 | 10630                                                                            |   | 79.5 | 10.8 | 5.5 | 4.2 | 100.0 |
|                                                                        |        | 8375  | 1098 | 505  | 349 | 10327                                                                            |   | 81.1 | 10.6 | 4.9 | 3.4 | 100.0 |
|                                                                        |        | 16826 | 2245 | 1092 | 794 | 20957                                                                            |   | 80.3 | 10.7 | 5.2 | 3.8 | 100.0 |

TABLE 2 B  
Enrollment of Middle Schools in Remedial Reading Programs  
Of Students Classified by Sex and Race  
(N = 4 Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |        |       |       |          |       |                                                             |       |       |       |          |       |       |
|------------------------------------------------------------------------------|--------|-------|-------|----------|-------|-------------------------------------------------------------|-------|-------|-------|----------|-------|-------|
| Number of Students Receiving Remedial Assistance                             |        |       |       |          |       | Percentage of Students Receiving Assistance by Sex and Race |       |       |       |          |       |       |
| Grade                                                                        | Sex    | White | Black | Hispanic | Asian | Total                                                       | Grade | White | Black | Hispanic | Asian | Total |
| 6                                                                            | Male   | 88    | 26    | 14       | 30    | 158                                                         | 6     | 55.7  | 16.5  | 8.9      | 18.9  | 100.0 |
|                                                                              | Female | 40    | 18    | 4        | 7     | 69                                                          |       | 57.9  | 26.1  | 5.8      | 10.1  | 100.0 |
|                                                                              | Total  | 128   | 44    | 18       | 37    | 227                                                         |       | 56.4  | 19.4  | 7.9      | 16.3  | 100.0 |
| 7                                                                            |        | 44    | 3     | 1        | 0     | 48                                                          | 7     | 91.7  | 6.3   | 2.1      | -     | 100.0 |
|                                                                              |        | 28    | 4     | 2        | 2     | 36                                                          |       | 77.8  | 11.1  | 5.6      | 11.9  | 100.0 |
|                                                                              |        | 72    | 7     | 3        | 2     | 84                                                          |       | 87.7  | 8.3   | 3.6      | 11.0  | 100.0 |
| 8                                                                            |        | 20    | 8     | 3        | 2     | 33                                                          | 8     | 60.6  | 24.2  | 9.1      | 6.1   | 100.0 |
|                                                                              |        | 20    | 8     | 1        | 0     | 29                                                          |       | 68.9  | 27.6  | 3.4      | -     | 100.0 |
|                                                                              |        | 40    | 16    | 4        | 2     | 62                                                          |       | 64.5  | 25.8  | 6.5      | 3.2   | 100.0 |
| All Grades                                                                   |        | 152   | 37    | 18       | 32    | 239                                                         |       | 63.6  | 15.5  | 7.5      | 13.4  | 100.0 |
| Combined                                                                     |        | 88    | 30    | 7        | 9     | 134                                                         |       | 65.7  | 22.4  | 5.2      | 6.7   | 100.0 |
|                                                                              |        | 240   | 67    | 25       | 41    | 373                                                         |       | 64.3  | 17.9  | 6.7      | 11.4  | 100.0 |

  

| B. Total Population in Grades, by Sex and Race, In Surveyed Schools |        |       |       |          |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |       |       |       |          |       |       |
|---------------------------------------------------------------------|--------|-------|-------|----------|-------|-------------------------------------------------------------------------------|-------|-------|-------|----------|-------|-------|
| Grade                                                               | Sex    | White | Black | Hispanic | Asian | Total                                                                         | Grade | White | Black | Hispanic | Asian | Total |
| 6                                                                   | Male   | 332   | 32    | 16       | 7     | 389                                                                           | 6     | 85.3  | 8.0   | 4.6      | 1.8   | 100.0 |
|                                                                     | Female | 303   | 35    | 17       | 5     | 362                                                                           |       | 83.7  | 9.7   | 5.2      | 3.9   | 100.0 |
|                                                                     | Total  | 635   | 67    | 37       | 12    | 751                                                                           |       | 84.6  | 8.9   | 4.9      | 1.6   | 100.0 |
| 7                                                                   |        | 356   | 58    | 13       | 15    | 442                                                                           | 7     | 80.5  | 13.1  | 2.9      | 3.4   | 100.0 |
|                                                                     |        | 303   | 45    | 21       | 9     | 378                                                                           |       | 89.2  | 11.9  | 5.6      | 2.4   | 100.0 |
|                                                                     |        | 659   | 103   | 34       | 24    | 820                                                                           |       | 80.4  | 12.6  | 4.1      | 2.9   | 100.0 |
| 8                                                                   |        | 354   | 42    | 20       | 11    | 427                                                                           | 8     | 82.9  | 9.8   | 4.7      | 2.6   | 100.0 |
|                                                                     |        | 339   | 42    | 13       | 10    | 404                                                                           |       | 83.9  | 10.4  | 3.2      | 2.5   | 100.0 |
|                                                                     |        | 659   | 48    | 33       | 21    | 831                                                                           |       | 83.3  | 10.1  | 4.0      | 2.5   | 100.0 |
| All Grades                                                          |        | 1042  | 132   | 51       | 33    | 1258                                                                          |       | 82.8  | 10.5  | 4.1      | 2.6   | 100.0 |
| Combined                                                            |        | 945   | 122   | 53       | 24    | 1144                                                                          |       | 82.6  | 10.7  | 4.6      | 2.1   | 100.0 |
|                                                                     |        | 1987  | 254   | 104      | 57    | 2402                                                                          |       | 82.7  | 10.6  | 4.3      | 2.4   | 100.0 |

TABLE 3 B  
Enrollment of Junior High Schools in Remedial Reading Programs  
Of Students Classified by Sex and Race  
(N = 15 Junior High Schools)

| A. Number and Percentage of Student Participants Classified by Sex and Race |        |       |       |          |       |                                                             |       |       |       |          |       |       |
|-----------------------------------------------------------------------------|--------|-------|-------|----------|-------|-------------------------------------------------------------|-------|-------|-------|----------|-------|-------|
| Number of Students Receiving Remedial Assistance                            |        |       |       |          |       | Percentage of Students Receiving Assistance by Sex and Race |       |       |       |          |       |       |
| Grade                                                                       | Sex    | White | Black | Hispanic | Asian | Total                                                       | Grade | White | Black | Hispanic | Asian | Total |
| 7                                                                           | Male   | 163   | 42    | 13       | 7     | 227                                                         | 7     | 72.1  | 18.3  | 5.7      | 3.9   | 100.0 |
|                                                                             | Female | 123   | 24    | 7        | 7     | 161                                                         |       | 77.4  | 15.1  | 4.4      | 3.1   | 100.0 |
|                                                                             | Total  | 288   | 66    | 20       | 14    | 388                                                         |       | 74.2  | 17.0  | 5.2      | 3.6   | 100.0 |
| 8                                                                           |        | 97    | 36    | 8        | 3     | 144                                                         | 8     | 67.4  | 25.0  | 5.6      | 2.1   | 100.0 |
|                                                                             |        | 101   | 46    | 6        | 1     | 154                                                         |       | 65.6  | 29.9  | 5.6      | 11.9  | 100.0 |
|                                                                             |        | 198   | 82    | 14       | 4     | 298                                                         |       | 66.4  | 27.5  | 4.7      | 1.3   | 100.0 |
| 9                                                                           |        | 82    | 29    | 6        | 9     | 126                                                         | 9     | 65.1  | 23.0  | 4.8      | 7.1   | 100.0 |
|                                                                             |        | 72    | 11    | 8        | 6     | 97                                                          |       | 74.2  | 11.3  | 8.2      | 6.2   | 100.0 |
|                                                                             |        | 154   | 40    | 14       | 15    | 223                                                         |       | 69.1  | 17.9  | 6.3      | 6.7   | 100.0 |
| All Grades                                                                  |        | 344   | 107   | 27       | 21    | 499                                                         |       | 68.9  | 21.4  | 5.4      | 4.2   | 100.0 |
| Combined                                                                    |        | 296   | 81    | 21       | 12    | 410                                                         |       | 72.2  | 19.8  | 5.1      | 2.9   | 100.0 |
|                                                                             |        | 640   | 188   | 48       | 33    | 909                                                         |       | 70.4  | 20.7  | 5.3      | 3.6   | 100.0 |

  

| B. Total Population in Grades, by Sex and Race, In Surveyed Schools |        |       |       |          |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |       |       |       |          |       |       |
|---------------------------------------------------------------------|--------|-------|-------|----------|-------|-------------------------------------------------------------------------------|-------|-------|-------|----------|-------|-------|
| Grade                                                               | Sex    | White | Black | Hispanic | Asian | Total                                                                         | Grade | White | Black | Hispanic | Asian | Total |
| 7                                                                   | Male   | 1650  | 183   | 92       | 58    | 1983                                                                          | 7     | 83.2  | 9.2   | 4.6      | 2.9   | 100.0 |
|                                                                     | Female | 1623  | 195   | 90       | 55    | 1963                                                                          |       | 82.8  | 9.9   | 4.6      | 2.8   | 100.0 |
|                                                                     | Total  | 3273  | 378   | 182      | 113   | 3946                                                                          |       | 82.9  | 9.6   | 4.6      | 2.9   | 100.0 |
| 8                                                                   |        | 1832  | 183   | 92       | 58    | 2165                                                                          | 8     | 84.5  | 8.5   | 4.3      | 3.2   | 100.0 |
|                                                                     |        | 1733  | 170   | 96       | 59    | 2058                                                                          |       | 84.2  | 8.3   | 4.7      | 2.9   | 100.0 |
|                                                                     |        | 3565  | 353   | 188      | 117   | 4223                                                                          |       | 84.3  | 8.4   | 4.5      | 3.0   | 100.0 |
| 9                                                                   |        | 1414  | 132   | 89       | 76    | 1711                                                                          | 9     | 82.6  | 7.7   | 5.2      | 4.4   | 100.0 |
|                                                                     |        | 1550  | 145   | 56       | 63    | 1814                                                                          |       | 85.4  | 8.0   | 3.1      | 3.5   | 100.0 |
|                                                                     |        | 2964  | 277   | 145      | 139   | 3525                                                                          |       | 84.1  | 7.9   | 4.1      | 3.9   | 100.0 |
| All Grades                                                          |        | 4896  | 498   | 273      | 192   | 5859                                                                          |       | 83.6  | 8.5   | 4.7      | 3.3   | 100.0 |
| Combined                                                            |        | 4906  | 510   | 242      | 177   | 5835                                                                          |       | 84.1  | 8.7   | 4.1      | 3.0   | 100.0 |
|                                                                     |        | 9802  | 1008  | 515      | 369   | 11694                                                                         |       | 84.8  | 8.5   | 4.4      | 3.2   | 100.0 |

TABLE 4.8  
Enrollment of Senior High Schools in Remedial Reading Programs  
Of Students Classified by Sex and Race  
(N = 11 Schools)

| A. Number and Percentage of Student Participants Classified by Sex and Race |        |       |       |          |       |       |                            |       |       |          |       |       |
|-----------------------------------------------------------------------------|--------|-------|-------|----------|-------|-------|----------------------------|-------|-------|----------|-------|-------|
| Number of Students Receiving Remedial Assistance                            |        |       |       |          |       |       | Assistance by Sex and Race |       |       |          |       |       |
| Grade                                                                       | Sex    | White | Black | Hispanic | Asian | Total | Grade                      | White | Black | Hispanic | Asian | Total |
| 9                                                                           | Male   | 80    | 15    | 1        | 1     | 97    | 9                          | 82.5  | 15.5  | 1.0      | 1.0   | 100.0 |
|                                                                             | Female | 50    | 8     | 2        | 0     | 60    |                            | 83.3  | 13.3  | 3.3      | -     | 100.0 |
|                                                                             | Total  | 130   | 23    | 3        | 1     | 157   |                            | 82.8  | 14.6  | 1.9      | 1.0   | 100.0 |
| 10                                                                          |        | 171   | 82    | 12       | 12    | 277   | 10                         | 61.7  | 29.6  | 4.3      | 4.3   | 100.0 |
|                                                                             |        | 133   | 49    | 7        | 11    | 200   |                            | 66.5  | 24.5  | 3.5      | 5.5   | 100.0 |
|                                                                             |        | 304   | 131   | 19       | 23    | 477   |                            | 63.7  | 27.5  | 4.0      | 4.8   | 100.0 |
| 11                                                                          |        | 108   | 45    | 5        | 7     | 165   | 11                         | 65.5  | 27.3  | 3.0      | 4.2   | 100.0 |
|                                                                             |        | 57    | 35    | 5        | 1     | 98    |                            | 58.2  | 35.7  | 5.1      | 1.0   | 100.0 |
|                                                                             |        | 165   | 80    | 10       | 8     | 263   |                            | 62.7  | 30.4  | 3.8      | 3.0   | 100.0 |
| 12                                                                          |        | 88    | 38    | 6        | 1     | 131   | 12                         | 66.2  | 28.6  | 4.5      | 1.0   | 100.0 |
|                                                                             |        | 59    | 21    | 1        | 3     | 84    |                            | 70.2  | 25.0  | 1.0      | 3.6   | 100.0 |
|                                                                             |        | 147   | 59    | 7        | 4     | 217   |                            | 67.7  | 27.2  | 3.2      | 1.8   | 100.0 |
| All Grades                                                                  |        | 447   | 180   | 24       | 21    | 672   |                            | 66.5  | 26.8  | 3.6      | 3.1   | 100.0 |
| Combined                                                                    |        | 299   | 113   | 15       | 15    | 442   |                            | 67.6  | 25.6  | 3.4      | 3.4   | 100.0 |
|                                                                             |        | 746   | 293   | 39       | 36    | 1114  |                            | 67.0  | 26.3  | 3.5      | 3.2   | 100.0 |

  

| B. Total Population in Grades, by Sex and Race, In Surveyed Schools |        |       |       |          |       |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |       |       |          |       |       |
|---------------------------------------------------------------------|--------|-------|-------|----------|-------|-------|-------------------------------------------------------------------------------|-------|-------|----------|-------|-------|
| Grade                                                               | Sex    | White | Black | Hispanic | Asian | Total | Grade                                                                         | White | Black | Hispanic | Asian | Total |
| 9                                                                   | Male   | 416   | 33    | 10       | 11    | 470   | 9                                                                             | 88.5  | 7.0   | 2.1      | 2.3   | 100.0 |
|                                                                     | Female | 405   | 44    | 4        | 10    | 463   |                                                                               | 87.5  | 9.5   | 1.0      | 2.2   | 100.0 |
|                                                                     | Total  | 821   | 77    | 14       | 21    | 933   |                                                                               | 88.0  | 8.3   | 1.5      | 2.3   | 100.0 |
| 10                                                                  |        | 2461  | 256   | 89       | 91    | 2897  | 10                                                                            | 84.9  | 8.8   | 3.1      | 3.1   | 100.0 |
|                                                                     |        | 2379  | 271   | 96       | 75    | 2821  |                                                                               | 84.3  | 9.6   | 3.4      | 2.7   | 100.0 |
|                                                                     |        | 4840  | 527   | 185      | 166   | 5718  |                                                                               | 84.6  | 9.2   | 3.2      | 2.9   | 100.0 |
| 11                                                                  |        | 2379  | 256   | 89       | 91    | 2815  | 11                                                                            | 84.5  | 9.1   | 3.2      | 3.2   | 100.0 |
|                                                                     |        | 2459  | 271   | 97       | 75    | 2902  |                                                                               | 84.7  | 9.3   | 3.3      | 2.6   | 100.0 |
|                                                                     |        | 4838  | 527   | 186      | 166   | 5717  |                                                                               | 84.6  | 9.2   | 3.3      | 2.9   | 100.0 |
| 12                                                                  |        | 2341  | 267   | 84       | 77    | 2769  | 12                                                                            | 84.5  | 9.6   | 3.0      | 2.8   | 100.0 |
|                                                                     |        | 2397  | 255   | 97       | 75    | 2824  |                                                                               | 84.9  | 9.0   | 3.4      | 2.7   | 100.0 |
|                                                                     |        | 4738  | 522   | 181      | 152   | 5593  |                                                                               | 84.7  | 9.3   | 3.2      | 2.7   | 100.0 |
| All Grades                                                          |        | 7597  | 812   | 272      | 270   | 8951  |                                                                               | 84.9  | 9.1   | 3.0      | 3.0   | 100.0 |
| Combined                                                            |        | 7640  | 841   | 294      | 225   | 9010  |                                                                               | 80.3  | 9.3   | 3.3      | 2.6   | 100.0 |
|                                                                     |        | 15237 | 1653  | 566      | 505   | 17961 |                                                                               | 80.3  | 9.2   | 3.1      | 2.8   | 100.0 |

## APPENDIX C

Tables Displaying Detailed Data  
On 1978-79 Enrollments in  
Basic Skills Courses in  
English, Communications, Reading, Mathematics,  
Science, Social Studies, and On-the-Job Training

Statistical Analyses of the Composition of the  
Courses and of the Proportions of the Populations  
Of Students in the Target Grades Enrolled in  
Each Course, for Students Classified by Race and Sex

TABLE 1C

Enrollments in Basic English Courses in Secondary Schools Participating in the  
Minority/Majority Experiences Study, 1978-79  
(15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race                       |                                       |       |          |       |       |                                                                               |       |          |       |       |
|----------------------------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                                                | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race                         |       |          |       |       |
|                                                                                                    | White                                 | Black | Hispanic | Asian | Total | White                                                                         | Black | Hispanic | Asian | Total |
| Male                                                                                               | 1252                                  | 333   | 55       | 39    | 1679  | 74.6                                                                          | 19.8  | 3.3      | 2.3   | 100.0 |
| Female                                                                                             | 686                                   | 250   | 33       | 35    | 1004  | 68.3                                                                          | 24.9  | 3.3      | 3.5   | 100.0 |
| Total                                                                                              | 1938                                  | 583   | 88       | 74    | 2683  | 72.2                                                                          | 21.7  | 3.3      | 2.8   | 100.0 |
| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |                                       |       |          |       |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |       |          |       |       |
| Male                                                                                               | 8905                                  | 779   | 298      | 373   | 10335 | 14.1                                                                          | 42.9  | 18.5     | 10.5  | 16.2  |
| Female                                                                                             | 9115                                  | 782   | 285      | 386   | 10568 | 7.5                                                                           | 32.0  | 11.6     | 9.1   | 9.5   |
| Total                                                                                              | 18020                                 | 1561  | 583      | 759   | 20923 | 10.8                                                                          | 37.4  | 15.1     | 9.8   | 12.8  |

TABLE 2C

Enrollments in Basic Communication Skills Courses in Secondary Schools Participating in the  
 Minority/Majority Experiences Study, 1978-79  
 (15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race                       |                                       |       |          |       |       |                                                                               |       |          |       |       |
|----------------------------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                                                | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race                         |       |          |       |       |
|                                                                                                    | White                                 | Black | Hispanic | Asian | Total | White                                                                         | Black | Hispanic | Asian | Total |
| Male                                                                                               | 31                                    | 18    | 1        | 1     | 51    | 60.8                                                                          | 35.3  | 2.0      | 2.0   | 100.0 |
| Female                                                                                             | 12                                    | 11    | 2        | 1     | 26    | 46.2                                                                          | 42.3  | 7.7      | 3.9   | 100.0 |
| Total                                                                                              | 43                                    | 29    | 3        | 2     | 77    | 55.8                                                                          | 37.7  | 3.9      | 2.6   | 100.0 |
| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |                                       |       |          |       |       |                                                                               |       |          |       |       |
|                                                                                                    |                                       |       |          |       |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |       |          |       |       |
| Male                                                                                               | 1019                                  | 274   | 79       | 84    | 1456  | 3.0                                                                           | 6.6   | 1.3      | 1.2   | 3.5   |
| Female                                                                                             | 938                                   | 331   | 77       | 135   | 1481  | 1.3                                                                           | 3.3   | 2.6      | 0.7   | 1.8   |
| Total                                                                                              | 1957                                  | 605   | 156      | 219   | 2937  | 2.2                                                                           | 4.8   | 1.9      | 0.9   | 2.6   |

TABLE 3C

Enrollments in Basic Reading Courses in Secondary Schools Participating in the  
Minority/Majority Experiences Study, 1978-79  
(15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |                                       |       |          |       |       |                                                       |       |          |       |       |
|------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                          | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race |       |          |       |       |
|                                                                              | White                                 | Black | Hispanic | Asian | Total | White                                                 | Black | Hispanic | Asian | Total |
| Male                                                                         | 238                                   | 129   | 28       | 11    | 406   | 58.6                                                  | 31.8  | 6.9      | 2.7   | 100.0 |
| Female                                                                       | 102                                   | 62    | 14       | 11    | 189   | 54.0                                                  | 32.8  | 7.4      | 5.8   | 100.0 |
| Total                                                                        | 340                                   | 191   | 42       | 22    | 595   | 57.1                                                  | 32.1  | 7.1      | 3.7   | 100.0 |

  

| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |      |      |     |     |      | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |      |      |     |     |
|----------------------------------------------------------------------------------------------------|------|------|-----|-----|------|-------------------------------------------------------------------------------|------|------|-----|-----|
| Male                                                                                               | 3497 | 665  | 191 | 202 | 4555 | 6.8                                                                           | 19.4 | 14.7 | 5.5 | 8.9 |
| Female                                                                                             | 3360 | 716  | 173 | 202 | 4451 | 3.0                                                                           | 8.7  | 5.1  | 5.5 | 4.3 |
| Total                                                                                              | 6857 | 1381 | 364 | 404 | 9006 | 5.0                                                                           | 13.8 | 11.5 | 5.5 | 6.6 |

TABLE 4C

Enrollments in Basic Mathematics Courses in Secondary Schools Participating in the  
Minority/Majority Experiences Study, 1978-79  
(15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |                                       |       |          |       |       |                                                       |       |          |       |       |
|------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                          | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race |       |          |       |       |
|                                                                              | White                                 | Black | Hispanic | Asian | Total | White                                                 | Black | Hispanic | Asian | Total |
| Male                                                                         | 730                                   | 215   | 34       | 12    | 991   | 73.7                                                  | 21.7  | 3.4      | 1.2   | 100.0 |
| Female                                                                       | 598                                   | 153   | 39       | 17    | 807   | 74.1                                                  | 19.0  | 4.8      | 2.1   | 100.0 |
| Total                                                                        | 1328                                  | 368   | 73       | 29    | 1798  | 73.9                                                  | 20.5  | 4.1      | 1.6   | 100.0 |

  

| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |       |      |     |     |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |      |      |     |      |
|----------------------------------------------------------------------------------------------------|-------|------|-----|-----|-------|-------------------------------------------------------------------------------|------|------|-----|------|
| Male                                                                                               | 7702  | 852  | 297 | 341 | 9192  | 9.5                                                                           | 25.2 | 11.5 | 3.5 | 10.8 |
| Female                                                                                             | 7760  | 883  | 272 | 346 | 9261  | 7.7                                                                           | 17.3 | 14.3 | 4.9 | 8.7  |
| Total                                                                                              | 15462 | 1735 | 569 | 687 | 18453 | 8.6                                                                           | 21.2 | 12.8 | 4.2 | 9.7  |

TABLE 5C

Enrollments in Basic Science Courses in Secondary Schools Participating in the  
 Minority/Majority Experiences Study, 1978-79  
 (15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |                                       |       |          |       |       |                                                       |       |          |       |       |
|------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                          | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race |       |          |       |       |
|                                                                              | White                                 | Black | Hispanic | Asian | Total | White                                                 | Black | Hispanic | Asian | Total |
| Male                                                                         | 620                                   | 182   | 42       | 25    | 869   | 71.4                                                  | 20.9  | 4.8      | 2.9   | 100.0 |
| Female                                                                       | 410                                   | 129   | 21       | 22    | 582   | 70.5                                                  | 22.2  | 3.6      | 3.8   | 100.0 |
| Total                                                                        | 1030                                  | 311   | 62       | 47    | 1451  | 71.0                                                  | 21.4  | 4.3      | 3.2   | 100.0 |

  

| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |       |      |     |     |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |      |      |     |     |
|----------------------------------------------------------------------------------------------------|-------|------|-----|-----|-------|-------------------------------------------------------------------------------|------|------|-----|-----|
| Male                                                                                               | 7807  | 988  | 280 | 312 | 9387  | 7.9                                                                           | 18.4 | 15.0 | 8.0 | 9.3 |
| Female                                                                                             | 7844  | 993  | 283 | 329 | 9449  | 5.2                                                                           | 13.0 | 7.4  | 6.7 | 6.2 |
| Total                                                                                              | 15651 | 1981 | 563 | 641 | 18836 | 6.6                                                                           | 15.7 | 11.2 | 7.3 | 7.7 |

TABLE 6C

Enrollments in Basic Social Studies Courses in Secondary Schools Participating in the  
 Minority/Majority Experiences Study, 1978-79  
 (15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |                                       |       |          |       |       |                                                       |       |          |       |       |
|------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                          | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race |       |          |       |       |
|                                                                              | White                                 | Black | Hispanic | Asian | Total | White                                                 | Black | Hispanic | Asian | Total |
| Male                                                                         | 814                                   | 253   | 46       | 39    | 1152  | 70.7                                                  | 22.0  | 4.0      | 3.4   | 100.0 |
| Female                                                                       | 482                                   | 184   | 35       | 37    | 738   | 65.3                                                  | 24.9  | 4.7      | 5.0   | 100.0 |
| Total                                                                        | 1296                                  | 437   | 81       | 76    | 1890  | 68.6                                                  | 23.1  | 4.3      | 4.0   | 100.0 |

  

| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |       |      |     |     |       | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |      |      |      |      |
|----------------------------------------------------------------------------------------------------|-------|------|-----|-----|-------|-------------------------------------------------------------------------------|------|------|------|------|
| Male                                                                                               | 6760  | 819  | 253 | 301 | 8133  | 12.0                                                                          | 38.9 | 18.2 | 13.0 | 14.2 |
| Female                                                                                             | 6751  | 853  | 274 | 297 | 8175  | 7.1                                                                           | 21.6 | 12.8 | 12.5 | 9.0  |
| Total                                                                                              | 13511 | 1672 | 527 | 598 | 16308 | 9.6                                                                           | 26.1 | 15.4 | 12.7 | 11.6 |

TABLE 7C

Enrollments in Basic On-the-Job Training Courses in Secondary Schools Participating in the  
 Minority/Majority Experiences Study, 1978-79  
 (15 Junior High Schools and 11 Senior High Schools)

| A. Number and Percentage of Student Participants, Classified by Sex and Race |                                       |       |          |       |       |                                                       |       |          |       |       |
|------------------------------------------------------------------------------|---------------------------------------|-------|----------|-------|-------|-------------------------------------------------------|-------|----------|-------|-------|
| Sex                                                                          | Number of Students Enrolled in Course |       |          |       |       | Percentage of Enrollment for Students by Sex and Race |       |          |       |       |
|                                                                              | White                                 | Black | Hispanic | Asian | Total | White                                                 | Black | Hispanic | Asian | Total |
| Male                                                                         | 70                                    | 11    | 0        | 1     | 82    | 85.4                                                  | 13.4  | 0.0      | 1.2   | 100.0 |
| Female                                                                       | 60                                    | 12    | 1        | 0     | 73    | 82.2                                                  | 16.4  | 1.4      | 0.0   | 100.0 |
| Total                                                                        | 130                                   | 23    | 1        | 1     | 155   | 83.9                                                  | 14.8  | 0.7      | 0.7   | 100.0 |

  

| B. Total Population in all Grades, by Sex and Race, in Surveyed Schools Offering Course in 1978-79 |      |     |     |     |      | Percentage of Population of Each Sex and Race Who Were Enrolled in the Course |     |     |     |     |
|----------------------------------------------------------------------------------------------------|------|-----|-----|-----|------|-------------------------------------------------------------------------------|-----|-----|-----|-----|
| Male                                                                                               | 1595 | 140 | 52  | 53  | 1840 | 4.4                                                                           | 7.9 | 0.0 | 1.9 | 4.5 |
| Female                                                                                             | 1741 | 133 | 48  | 61  | 1983 | 3.5                                                                           | 9.0 | 2.1 | 0.0 | 3.7 |
| Total                                                                                              | 3336 | 273 | 100 | 114 | 3823 | 3.9                                                                           | 8.4 | 1.0 | 0.9 | 4.1 |